

Amendments to the Claims

Please add new claims 24-32. Please amend the claims as follows:

1. (Cancelled)

2. (Cancelled)

3. (Previously Presented) The method of claim 23, wherein the Mannich base detergent comprises the reaction product of an alkyl-substituted hydroxyaromatic compound, an amine, and an aldehyde.

4. (Previously Presented) The method of claim 23 wherein the Mannich base detergent comprises the reaction product of alkylated cresol, a primary or secondary alkylamine, and formaldehyde.

5. (Cancelled)

6. (Cancelled)

7. (Previously Presented) The method of claim 23, wherein the succinimide compound comprises a reaction product obtained by reacting an alkenyl succinic anhydride, acid, acid-ester or lower alkyl ester with an amine containing at least one primary amine group.

8. (Cancelled)

9. (Cancelled)

10. (Previously Presented) The method of claim 23, wherein the spark-ignition fuel comprises gasoline.

11. (Previously Presented) The method of claim 23, wherein the spark-ignition fuel comprises a blend of hydrocarbons of the gasoline boiling range and a fuel-soluble oxygenated compound.

12. (Previously Presented) The method of claim 23, further comprising a carrier fluid selected from the group consisting of a mineral oil or a blend of mineral oils that have a viscosity index of less than about 120; one or more poly-alpha-olefin oligomers; one or more poly(oxyalkylene) compounds having an average molecular weight in the range of about 500 to about 3000; one or more polyalkenes; one or more polyalkyl-substituted hydroxyaromatic compounds; and mixtures thereof.

13. (Previously Presented) The method of claim 12, wherein the carrier fluid comprises at least one poly (oxyalkylene) compound.

14. (Previously Presented) The method of claim 23, further comprising at least one additive selected from the group consisting of additional dispersants/detergents, antioxidants, carrier fluids, metal deactivators, dyes, markers, corrosion inhibitors, biocides, antistatic additives, drag reducing agents, demulsifiers, dehazers, anti-icing additives, antiknock additives, anti-valve-seat recession additives, lubricity additives and combustion improvers.

15. (Cancelled)

16. (Cancelled)

17. (Previously Presented) The method of claim 23, wherein the succinimide compound is selected from the group consisting of hydrocarbyl succinimides, hydrocarbyl succinimide-amides and hydrocarbyl succinimide-esters.

Claims 18-22 (Cancelled)

23. (Previously Presented) A method for operating a direct injection gasoline engine on an unleaded fuel composition, the method comprising:

supplying a fuel composition comprising

- (a) a spark-ignition fuel
- (b) a Mannich base detergent; and

(c) a succinimide compound, wherein the Mannich base detergent and succinimide compound are present in a ratio of detergent to succinimide of from about 16:1 to about 1000:1 by weight; and introducing into the direct injection gasoline engine, with the combustion intake charge, the fuel composition.

24. (New) A method for operating a direct injection gasoline engine on an unleaded fuel composition, the method comprising:

supplying a fuel composition comprising

(d) a spark-ignition fuel

(e) a cresol Mannich base detergent; and

(f) a succinimide compound, wherein the cresol Mannich base detergent and succinimide compound are present in a ratio of detergent to succinimide of from about 16:1 to about 1000:1 by weight; and introducing into the direct injection gasoline engine, with the combustion intake charge, the fuel composition.

25. (New) The method of claim 24 wherein the Mannich base detergent comprises the reaction product of alkylated cresol, a primary or secondary alkylamine, and formaldehyde.

26. (New) The method of claim 24, wherein the succinimide compound comprises a reaction product obtained by reacting an alkenyl succinic anhydride, acid,

acid-ester or lower alkyl ester with an amine containing at least one primary amine group.

27. (New) The method of claim 24, wherein the spark-ignition fuel comprises gasoline.

28. (New) The method of claim 24, wherein the spark-ignition fuel comprises a blend of hydrocarbons of the gasoline boiling range and a fuel-soluble oxygenated compound.

29. (New) The method of claim 24, further comprising a carrier fluid selected from the group consisting of a mineral oil or a blend of mineral oils that have a viscosity index of less than about 120; one or more poly-alpha-olefin oligomers; one or more poly(oxyalkylene) compounds having an average molecular weight in the range of about 500 to about 3000; one or more polyalkenes; one or more polyalkyl-substituted hydroxyaromatic compounds; and mixtures thereof.

30. (New) The method of claim 29, wherein the carrier fluid comprises at least one poly (oxyalkylene) compound.

31. (New) The method of claim 24, further comprising at least one additive selected from the group consisting of additional dispersants/detergents, antioxidants, carrier fluids, metal deactivators, dyes, markers, corrosion inhibitors, biocides, antistatic

additives, drag reducing agents, demulsifiers, dehazers, anti-icing additives, antiknock additives, anti-valve-seat recession additives, lubricity additives and combustion improvers.

32. (Previously Presented) The method of claim 24, wherein the succinimide compound is selected from the group consisting of hydrocarbyl succinimides, hydrocarbyl succinimide-amides and hydrocarbyl succinimide-esters.